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# STATE AND COUNTY AREA TABULATIONS FOR THE COLORADO RIVER BASIN

Public Health Service
Denver, Colorado

January 1962

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January 1962

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The report provides drainage area determinations which have been ~~adopt~~ adopted as standard basic data for use in the Colorado River Basin Water Quality Control Project. A check ~~SHEET~~ of available data of this type prepared by various public & private agencies revealed slight variations among the various sources. The data contained in this report were developed, therefore, to avoid confusion that might arise if a standard set of this data were not specified for use in this project.

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# STATE AND COUNTY AREA TABULATIONS

# FOR THE COLORADO RIVER BASIN

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Bureau of State Services
Division of Water Supply and Pollution Control
Region VIII
Denver, Colorado

Colorado River Basin Water Quality Control Project
January 1962

CONFERENCE ON POLLUTION OF THE INTERSTATE WATERS
OF THE COLORADO RIVER AND ITS TRIBUTARIES

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# STATE AND COUNTY AREA TABULATIONS

# FOR THE COLORADO RIVER BASIN

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
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# INTRODUCTION

This report provides drainage area determinations which have been adopted as standard basic data for use in the Colorado River Basin Water Quality Control Project. A check of available data of this type prepared by various public and private agencies revealed slight variations among the various sources. The data contained in this report were developed, therefore, to avoid confusion that might arise if a standard set of these data were not specified for use in this project.

These drainage area computations were made in accordance with the procedures suggested in a report entitled, "Inter-Agency Coordination of Drainage Area Data," which was published by the Subcommittee on Hydrology of the Federal Inter-Agency River Basin Committee. Measurements of the drainage area were obtained with a planimeter on the most recent maps available. For the most part, the national topographic series of quadrangle maps of the United States Geological Survey, on a scale of 1:62,500, were used for this purpose. In some instances, maps with a scale of up to 1:250,000 were the best available and were consequently used, although it is recognized that the degree of accuracy in those instances is less than would be desirable.

The data contained in this report, nonetheless, are considered as the best available and will be used in all phases of activity connected with the Colorado River Basin Water Quality Control Project. If more up-to-date maps become available that would result in significantly more accurate determinations, or if future studies indicate a need for major changes, a revision of this report will be issued.

## EXPLANATION OF DRAINAGE AREA DATA

The Colorado River Basin contains a drainage area of approximately 246,000 square miles if the Salton Sea Sub-basin area is omitted from this total. Ninety-nine percent of this area lies within the continental United States and the remaining one percent lies in Mexico. The Colorado River Basin water Quality Control Project study area consists of the United States portion of the basin. Drainage area figures for the Mexican portion are therefore not included in the drainage area tables in this report.

Two major sub-divisions of the basin, The Upper Basin and the Lower Basin, are recognized in the Colorado River Compact. The dividing point is defined as being 1 mile below the mouth of the Paria River on the main-stem of the Colorado River. For our study purposes, the basin was further sub-divided into six major sub-basins. These include the Upper Main-stem of the Colorado, Green, and San Juan in the Upper Basin Division and the Little Colorado, Gila, and Lower Main-stem of the Colorado in the Lower Basin Division. The two major divisions and the six designated sub-basins are shown on the map on the following page.

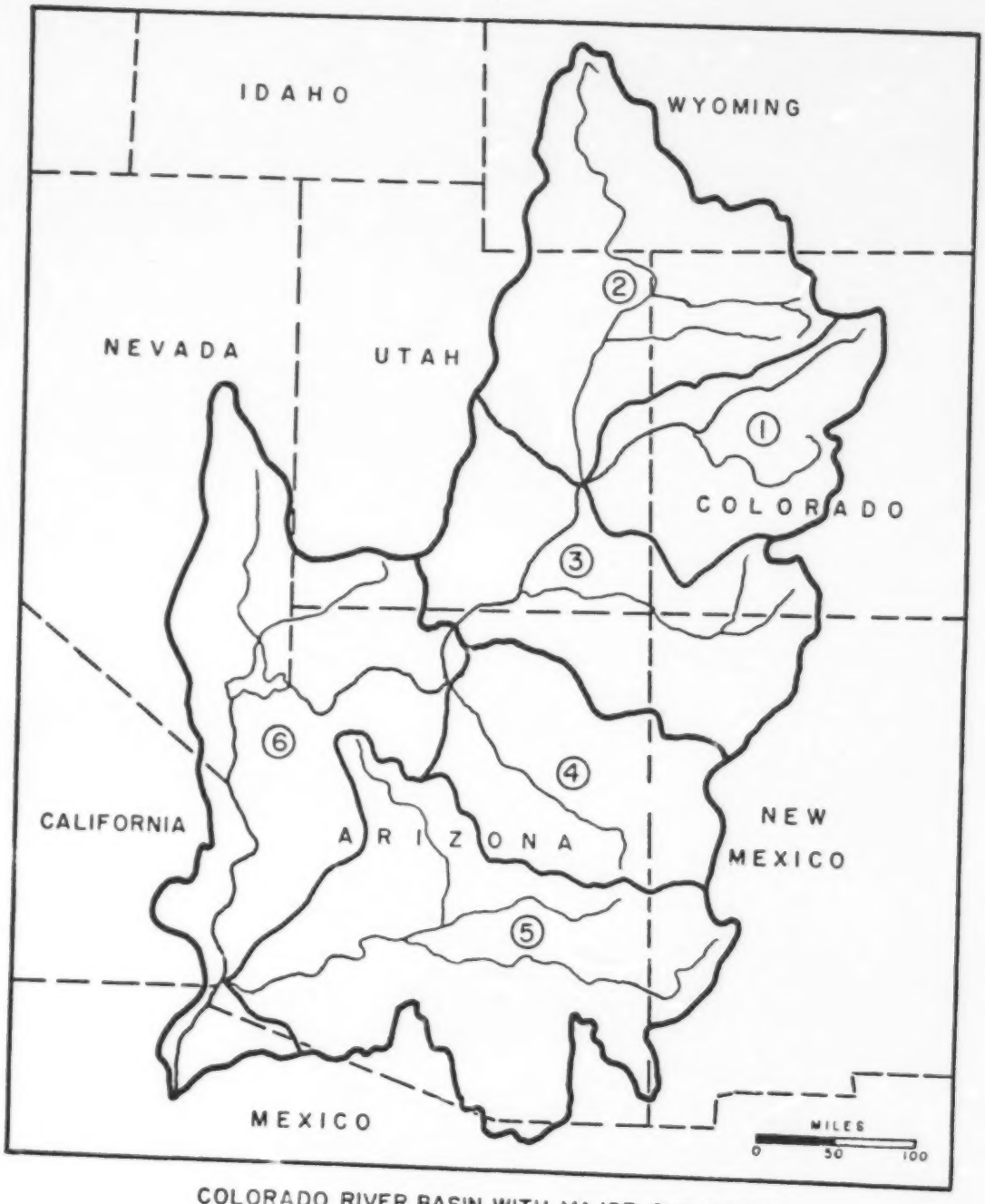
The United States portion of the basin includes land area in seven states: Arizona, California, Colorado, Nevada, New Mexico, Utah, and Wyoming. The drainage area distribution within these states is shown in Table 1. All or portions of 76 counties within these states are included in the basin as shown in Table 2. A summary of the land area of the seven states included in the six sub-basins is shown in Table 3 while Table 4 shows the distribution of the county land area within these sub-basins.

TABLE 1

DRAINAGE AREA IN THE COLORADO RIVER BASIN BY STATES[1/]

| STATE | TOTAL AREA | | PORTION IN COLORADO BASIN | | | PERCENT OF BASIN AREA |
|---|---|---|---|---|---|---|
| | ACRES | SQ. MILES | PERCENT | ACRES | SQ. MILES | |
| Arizona | 72,688,000 | 119,825 | 87.9 | 67,437,856 | 105,372 | 43.3 |
| California | 100,313,600 | 156,740 | 2.3 | 2,320,580 | 3,626 | 1.5 |
| Colorado | 66,510,080 | 103,922 | 37.0 | 24,670,505 | 38,547 | 15.8 |
| Nevada | 70,264,960 | 109,789 | 15.0 | 10,515,820 | 16,431 | 6.8 |
| New Mexico | 77,767,040 | 121,511 | 16.8 | 13,108,392 | 20,482 | 8.4 |
| Utah | 52,701,440 | 82,346 | 49.3 | 25,959,688 | 40,562 | 16.6 |
| Wyoming | 62,403,840 | 97,506 | 19.1 | 11,913,443 | 18,615 | 7.6 |
| BASIN TOTALS | - | - | - | 155,926,284 | 243,635 | 100 |

1/ The Colorado River Basin contains approximately 246,000 square miles. The 2,000 square-mile area in Mexico is not included in this study and therefore this area is omitted from the table.




COLORADO RIVER BASIN WITH MAJOR SUB-BASINS

SUB-BASINS

Upper Basin Division

1. UPPER MAIN-STEM
2. GREEN RIVER
3. SAN JUAN RIVER

Lower Basin Division

4. LITTLE COLORADO RIVER
5. GILA RIVER
6. LOWER MAIN STEM

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TABLE 2

DRAINAGE AREA IN THE COLORADO RIVER BASIN BY STATES AND COUNTIES

| State and County | Total Land Area (Acres) | Measured Portion in Basin | |
|---|---|---|---|
| | | Per Cent | Acreage |
| ARIZONA | 72,688,000 | | |
| 1. Apache | 7,151,360 | 100 | 7,151,360 |
| 2. Cochise | 4,003,840 | 35.8 | 1,433,562 |
| 3. Coconino | 11,886,720 | 100 | 11,886,720 |
| 4. Gila | 3,040,000 | 100 | 3,040,000 |
| 5. Graham | 2,950,400 | 91.7 | 2,703,492 |
| 6. Greenlee | 1,199,360 | 100 | 1,199,360 |
| 7. Maricopa | 5,904,640 | 100 | 5,904,640 |
| 8. Mohave | 8,486,400 | 100 | 8,486,400 |
| 9. Navajo | 6,343,040 | 100 | 6,343,040 |
| 10. Pima | 5,914,240 | 63.1 | 3,732,490 |
| 11. Pinal | 3,441,920 | 100 | 3,441,920 |
| 12. Santa Cruz | 797,440 | 92.7 | 738,932 |
| 13. Yavapai | 5,178,240 | 100 | 5,178,240 |
| 14. Yuma | 6,390,400 | 97.0 | 6,197,700 |
| Acres | | 93 | 67,437,856 |
| Sq. Miles | | | 105,372 |
| CALIFORNIA | 100,313,600 | | |
| 1. Imperial | 2,741,760 | 23.7 | 651,085 |
| 2. Riverside | 4,594,560 | 11.1 | 509,454 |
| 3. San Bernardino | 12,883,840 | 9.0 | 1,160,041 |
| Acres | | | 2,320,580 |
| Sq. Miles | | | 3,626 |
| COLORADO | 66,510,080 | | |
| 1. Archuleta | 872,960 | 100 | 872,960 |
| 2. Delta | 740,480 | 100 | 740,480 |
| 3. Dolores | 657,920 | 100 | 657,920 |
| 4. Eagle | 1,078,400 | 100 | 1,078,400 |
| 5. Garfield | 1,916,160 | 100 | 1,916,160 |
| 6. Grand | 1,186,560 | 100 | 1,186,560 |
| 7. Gunnison | 2,072,320 | 100 | 2,072,320 |
| 8. Hinsdale | 676,480 | 70.4 | 476,384 |
| 9. La Plata | 1,078,400 | 100 | 1,078,400 |
| 10. Mesa | 2,120,320 | 100 | 2,120,320 |
| 11. Mineral | 589,440 | 26.1 | 154,081 |
| 12. Moffat | 3,042,560 | 100 | 3,042,560 |
| 13. Montezuma | 1,340,800 | 100 | 1,340,800 |
| 14. Montrose | 1,432,960 | 100 | 1,432,960 |
| 15. Ouray | 345,600 | 100 | 345,600 |
| 16. Pitkin | 623,360 | 100 | 623,360 |

| State and County | Total Land Area (Acres) | Measured Portion in Basin Per Cent | Acreage |
|---|---|---|---|
| 17. Rio Blanco | 2,088,320 | 100 | 2,088,320 |
| 18. Routt | 1,491,200 | 100 | 1,491,200 |
| 19. Saguache | 2,012,160 | 24.3 | 488,040 |
| 20. San Juan | 250,880 | 100 | 250,880 |
| 21. San Miguel | 821,120 | 100 | 821,120 |
| 22. Summit | 391,680 | 100 | 391,680 |
| Acres | | | 24,670,505 |
| Sq. Miles | | | 38,547 |
| NEVADA | 70,264,960 | | |
| 1. Clark | 5,073,280 | 82.1 | 4,166,422 |
| 2. Lincoln | 6,815,360 | 76.2 | 5,193,374 |
| 3. Nye | 11,560,960 | 4.7 | 547,899 |
| 4. White Pine | 5,691,520 | 10.7 | 608,125 |
| Acres | | | 10,515,820 |
| Sq. Miles | | | 16,431 |
| NEW MEXICO | 77,767,040 | | |
| 1. Catron | 4,414,720 | 68.5 | 3,023,557 |
| 2. Grant | 2,540,800 | 49.6 | 1,262,330 |
| 3. Hidalgo | 2,206,080 | 18.0 | 397,304 |
| 4. McKinley | 3,491,840 | 71.5 | 2,498,230 |
| 5. Rio Arriba | 3,747,200 | 34.2 | 1,283,346 |
| 6. San Juan | 3,529,600 | 100 | 3,529,600 |
| 7. Sandoval | 2,379,520 | 12.1 | 287,744 |
| 8. Sierra | 1,941,760 | 1.4 | 27,390 |
| 9. Valencia | 3,620,480 | 22.1 | 798,891 |
| Acres | | | 13,108,392 |
| Sq. Miles | | | 20,482 |
| UTAH | 52,701,440 | | |
| 1. Carbon | 943,360 | 100 | 943,360 |
| 2. Daggett | 453,120 | 100 | 453,120 |
| 3. Duchesne | 2,086,400 | 100 | 2,086,400 |
| 4. Emery | 2,842,880 | 100 | 2,842,880 |
| 5. Garfield | 3,338,880 | 69.6 | 2,322,572 |
| 6. Grand | 2,362,880 | 100 | 2,362,880 |
| 7. Iron | 2,112,000 | 3.9 | 82,468 |
| 8. Kane | 2,627,200 | 96.2 | 2,527,600 |
| 9. Piute | 481,920 | 3.7 | 18,028 |
| 10. San Juan | 5,045,760 | 100 | 5,045,760 |
| 11. Sanpete | 1,022,080 | 28.7 | 293,422 |
| 12. Sevier | 1,236,480 | 29.5 | 364,636 |

| State and County | Total Land Area (Acres) | Measured Portion in Basin | |
|---|---|---|---|
| | | Per Cent | Acreage |
| 13. Summit | 1,190,400 | 25.4 | 301,987 |
| 14. Uintah | 2,864,640 | 100 | 2,864,640 |
| 15. Utah | 1,278,720 | 5.5 | 70,616 |
| 16. Wasatch | 764,160 | 52.2 | 399,197 |
| 17. Washington | 1,552,000 | 89.4 | 1,387,162 |
| 18. Wayne | 1,592,960 | 100 | 1,592,960 |
| Acres | | | 25,959,688 |
| Sq. Miles | | | 40,562 |
| WYOMING | 62,403,840 | | |
| 1. Carbon | 5,097,600 | 19.0 | 966,319 |
| 2. Lincoln | 2,624,640 | 45.4 | 1,191,016 |
| 3. Sublette | 3,120,640 | 91.5 | 2,853,879 |
| 4. Sweetwater | 6,714,880 | 87.6 | 5,880,980 |
| 5. Teton | 1,801,600 | 0.4 | 7,498 |
| 6. Uinta | 1,324,800 | 76.5 | 1,013,749 |
| Acres | | | 11,913,443 |
| Sq. Miles | | | 18,615 |
| BASIN | | | |
| ACRES | | | 155,926,284 |
| SQ. MILES | | | 243,635 |

TABLE 3
DRAINAGE AREA IN THE COLORADO RIVER BASIN BY MAJOR SUB-BASINS

| Basin | State | Portion in Sub-Basin Acres | Portion in Sub-Basin Square Miles | Percent of Sub-Basin | Percent of Basin |
|---|---|---|---|---|---|
| UPPER MAIN-STEM | | | | | |
| | COLORADO | 14,161,584 | 22,127 | 84.8 | |
| | UTAH | 2,540,597 | 3,970 | 15.2 | |
| | Sub-totals | 16,702,181 | 26,097 | 100.0 | 10.7 |
| GREEN | | | | | |
| | COLORADO | 6,760,786 | 10,564 | 22.9 | |
| | UTAH | 10,890,741 | 17,017 | 36.8 | |
| | WYOMING | 11,913,443 | 18,615 | 40.3 | |
| | Sub-totals | 29,564,970 | 46,196 | 100.0 | 19.0 |
| SAN JUAN | | | | | |
| | ARIZONA | 4,076,728 | 6,370 | 16.8 | |
| | COLORADO | 3,748,135 | 5,856 | 15.4 | |
| | NEW MEXICO | 6,233,640 | 9,740 | 25.7 | |
| | UTAH | 10,237,916 | 15,997 | 42.1 | |
| | Sub-totals | 24,296,419 | 37,963 | 100.0 | 15.6 |
| LITTLE COLORADO | | | | | |
| | ARIZONA | 14,316,057 | 22,369 | 81.2 | |
| | NEW MEXICO | 3,312,858 | 5,176 | 18.8 | |
| | Sub-totals | 17,628,915 | 27,545 | 100.0 | 11.3 |
| GILA | | | | | |
| | ARIZONA | 31,841,231 | 49,752 | 89.9 | |
| | NEW MEXICO | 3,561,894 | 5,565 | 10.1 | |
| | Sub-Totals | 35,403,125 | 55,317 | 100.0 | 22.7 |
| LOWER MAIN-STEM | | | | | |
| | ARIZONA | 17,203,840 | 26,881 | 53.2 | |
| | CALIFORNIA | 2,320,580 | 3,626 | 7.2 | |
| | NEVADA | 10,515,820 | 16,431 | 32.5 | |
| | UTAH | 2,290,434 | 3,579 | 7.1 | |
| | Sub-totals | 32,330,674 | 50,517 | 100.0 | 20.7 |
| BASIN TOTALS | | 155,926,284 | 243,635 | | 100.0 |

TABLE 4

DRAINAGE AREA IN THE COLORADO RIVER BASIN BY STATES AND COUNTIES WITHIN MAJOR SUB-BASINS

| Sub-Basin | State and County | Total Area (Acres) | Measured Portion in Sub-Basin Percent | Acres |
|---|---|---|---|---|
| UPPER MAIN-STEM | | | | |
| | COLORADO | | | |
| | 1. Delta | 740,480 | 100 | 740,480 |
| | 2. Dolores | 657,920 | 78.4 | 515,791 |
| | 3. Eagle | 1,078,400 | 100 | 1,078,400 |
| | 4. Garfield | 1,916,160 | 84.9 | 1,627,257 |
| | 5. Grand | 1,186,560 | 99.2 | 1,177,297 |
| | 6. Gunnison | 2,072,320 | 100 | 2,072,320 |
| | 7. Hinsdale | 676,480 | 43.6 | 295,212 |
| | 8. Mesa | 2,120,320 | 100 | 2,120,320 |
| | 9. Montezuma | 1,340,800 | 19.9 | 267,227 |
| | 10. Montrose | 1,432,960 | 100 | 1,432,960 |
| | 11. Ouray | 345,600 | 100 | 345,600 |
| | 12. Pitkin | 623,360 | 100 | 623,360 |
| | 13. Routt | 1,491,200 | 10.7 | 159,460 |
| | 14. Saguache | 2,012,160 | 24.3 | 488,040 |
| | 15. San Juan | 250,880 | 2.0 | 5,060 |
| | 16. San Miguel | 821,120 | 100 | 821,120 |
| | 17. Summit | 391,680 | 100 | 391,680 |
| | Sub-total | | | 14,161,584 |
| | UTAH | | | |
| | 1. Grand | 2,362,880 | 58.9 | 1,391,611 |
| | 2. San Juan | 5,045,760 | 22.8 | 1,148,986 |
| | Sub-total | | | 2,540,597 |
| SUB-BASIN TOTAL | | | | 16,702,181 |
| GREEN | COLORADO | | | |
| | 1. Garfield | 1,916,160 | 15.1 | 288,903 |
| | 2. Moffat | 3,042,560 | 100 | 3,042,560 |
| | 3. Rio Blanco | 2,088,320 | 100 | 2,088,320 |
| | 4. Routt | 1,491,200 | 89.3 | 1,331,740 |
| | 5. Grand | 1,186,560 | 0.8 | 9,263 |
| | Sub-total | | | 6,760,786 |
| | UTAH | | | |
| | 1. Carbon | 943,360 | 100 | 943,360 |
| | 2. Daggett | 453,120 | 100 | 453,120 |
| | 3. Duchesne | 2,086,400 | 100 | 2,086,400 |
| | 4. Emery | 2,842,880 | 77.7 | 2,209,223 |
| | 5. Grand | 2,362,880 | 41.1 | 971,269 |
| | 6. San Juan | 5,045,760 | 1.7 | 86,154 |

| Sub-Basin | State and County | Total Area (Acres) | Measured Portion in Sub-Basin Percent | Measured Portion in Sub-Basin Acres |
|---|---|---|---|---|
| | 7. Sanpete | 1,022,080 | 25.3 | 259,060 |
| | 8. Summit | 1,190,400 | 25.4 | 301,987 |
| | 9. Uintah | 2,864,640 | 100 | 2,864,640 |
| | 10. Utah | 1,278,720 | 5.5 | 70,616 |
| | 11. Wasatch | 764,160 | 52.2 | 399,197 |
| | 12. Wayne | 1,592,960 | 15.4 | 245,713 |
| | Sub-total | | | 10,890,741 |
| | WYOMING | | | |
| | 1. Carbon | 5,097,600 | 19.0 | 966,319 |
| | 2. Lincoln | 2,624,640 | 45.4 | 1,191,016 |
| | 3. Sublette | 3,120,640 | 91.5 | 2,853,879 |
| | 4. Sweetwater | 6,714,800 | 87.6 | 5,880,982 |
| | 5. Teton | 1,801,600 | 0.4 | 7,498 |
| | 6. Uinta | 1,324,800 | 76.5 | 1,013,749 |
| | Sub-total | | | 11,913,443 |
| SUB-BASIN TOTAL | | | | 29,564,970 |
| SAN JUAN | ARIZONA | | | |
| | 1. Apache | 7,151,360 | 35.6 | 2,547,469 |
| | 2. Coconino | 11,886,720 | 10.2 | 1,216,913 |
| | 3. Navajo | 6,343,040 | 4.9 | 312,346 |
| | Sub-total | | | 4,076,728 |
| | COLORADO | | | |
| | 1. Archuleta | 872,960 | 100 | 872,960 |
| | 2. Dolores | 657,920 | 21.6 | 142,129 |
| | 3. Hinsdale | 676,480 | 26.8 | 181,172 |
| | 4. La Plata | 1,078,400 | 100 | 1,078,400 |
| | 5. Mineral | 589,440 | 26.1 | 154,081 |
| | 6. Montezuma | 1,340,800 | 80.1 | 1,073,573 |
| | 7. San Juan | 250,880 | 98.0 | 245,820 |
| | Sub-total | | | 3,748,135 |
| | NEW MEXICO | | | |
| | 1. McKinley | 3,491,840 | 32.9 | 1,148,986 |
| | 2. Rio Arriba | 3,747,200 | 34.2 | 1,283,346 |
| | 3. San Juan | 3,529,600 | 99.5 | 3,513,564 |
| | 4. Sandoval | 2,379,520 | 12.1 | 287,744 |
| | Sub-total | | | 6,233,640 |

| Sub-Basin | State and County | Total Area (Acres) | Measured Portion in Sub-Basin Percent | Acres |
|---|---|---|---|---|
| | UTAH | | | |
| | 1. Emery | 2,842,880 | 22.3 | 633,655 |
| | 2. Garfield | 3,338,880 | 69.6 | 2,322,572 |
| | 3. Kane | 2,627,200 | 64.9 | 1,706,796 |
| | 4. Piute | 481,920 | 3.7 | 18,028 |
| | 5. San Juan | 5,045,760 | 75.5 | 3,810,620 |
| | 6. Sanpete | 1,022,080 | 3.4 | 34,362 |
| | 7. Sevier | 1,236,480 | 29.5 | 364,636 |
| | 8. Wayne | 1,592,960 | 84.6 | 1,347,247 |
| | Sub-total | | | 10,237,916 |
| SUB-BASIN TOTAL | | | | 24,296,419 |
| LITTLE COLORADO | ARIZONA | | | |
| | 1. Apache | 7,151,360 | 54.6 | 3,902,508 |
| | 2. Coconino | 11,886,720 | 42.0 | 4,997,985 |
| | 3. Navajo | 6,343,040 | 85.4 | 5,415,564 |
| | Sub-total | | | 14,316,057 |
| | NEW MEXICO | | | |
| | 1. Catron | 4,414,720 | 26.0 | 1,148,687 |
| | 2. McKinley | 3,491,840 | 38.6 | 1,349,244 |
| | 3. San Juan | 3,529,600 | 0.5 | 16,036 |
| | 4. Valencia | 3,620,480 | 22.1 | 798,891 |
| | Sub-total | | | 3,312,858 |
| SUB-BASIN TOTAL | | | | 17,628,915 |
| GILA | ARIZONA | | | |
| | 1. Apache | 7,151,360 | 9.8 | 701,383 |
| | 2. Cochise | 4,003,840 | 35.8 | 1,433,562 |
| | 3. Coconino | 11,886,720 | 12.3 | 1,461,232 |
| | 4. Gila | 3,040,000 | 100 | 3,040,000 |
| | 5. Graham | 2,940,400 | 91.9 | 2,703,492 |
| | 6. Greenlee | 1,199,360 | 100 | 1,199,360 |
| | 7. Maricopa | 5,904,640 | 100 | 5,904,640 |
| | 8. Navajo | 6,343,040 | 9.7 | 615,130 |
| | 9. Pima | 5,914,240 | 63.1 | 3,732,490 |
| | 10. Pinal | 3,441,920 | 100 | 3,441,920 |
| | 11. Santa Cruz | 797,440 | 92.7 | 738,932 |
| | 12. Yavapai | 5,178,240 | 69.5 | 3,597,190 |
| | 13. Yuma | 6,390,400 | 51.2 | 3,271,900 |
| | Sub-total | | | 31,841,231 |

| Sub-Basin | State and County | Total Area (Acres) | Measured Portion in Sub-Basin Percent | Measured Portion in Sub-Basin Acres |
|---|---|---|---|---|
| | NEW MEXICO | | | |
| | 1. Catron | 4,414,720 | 42.5 | 1,874,870 |
| | 2. Grant | 2,540,800 | 49.7 | 1,262,330 |
| | 3. Hidalgo | 2,206,080 | 18.0 | 397,304 |
| | 4. Sierra | 1,941,760 | 1.4 | 27,390 |
| | Sub-total | | | 3,561,894 |
| SUB-BASIN TOTAL | | | | 35,403,125 |
| LOWER MAIN-STEM | ARIZONA | | | |
| | 1. Coconino | 11,886,720 | 35.4 | 4,210,590 |
| | 2. Mohave | 8,486,400 | 100 | 8,486,400 |
| | 3. Yavapai | 5,178,240 | 30.5 | 1,581,050 |
| | 4. Yuma | 6,390,400 | 45.8 | 2,925,800 |
| | Sub-total | | | 17,203,840 |
| | CALIFORNIA | | | |
| | 1. Imperial | 2,741,760 | 23.7 | 651,085 |
| | 2. Riverside | 4,594,560 | 11.1 | 509,454 |
| | 3. San Bernardino | 12,883,840 | 9.0 | 1,160,041 |
| | Sub-total | | | 2,320,580 |
| | NEVADA | | | |
| | 1. Clark | 5,073,280 | 82.1 | 4,166,422 |
| | 2. Lincoln | 6,815,360 | 76.2 | 5,193,374 |
| | 3. Nye | 11,560,960 | 4.7 | 547,899 |
| | 4. White Pine | 5,691,520 | 10.7 | 608,125 |
| | Sub-total | | | 10,515,820 |
| | UTAH | | | |
| | 1. Kane | 2,627,200 | 31.3 | 820,804 |
| | 2. Washington | 1,552,000 | 89.4 | 1,387,162 |
| | 3. Iron | 2,112,000 | 3.9 | 82,468 |
| | Sub-total | | | 2,290,434 |
| SUB-BASIN TOTAL | | | | 32,330,674 |

## EXPLANATION OF THE LIST OF REPRESENTATIVE COUNTIES SELECTED FOR TABULATION OF ECONOMIC TREND DATA

### THE SERVICE AREA DESIGNATION

Most statistical data used in developing economic trend information are summarized at the county level. The Colorado River Basin and sub-basin boundaries follow natural drainage divisions and therefore seldom coincide exactly with county boundary lines. Fifty-five counties were selected, therefore, to represent the Colorado River Basin for the purpose of basic economic data summarization. In these counties all, or the majority of economic activity, occurs within the natural drainage area of the basin. Of the remaining counties that are only partially within the Colorado River Basin, the majority of economic activity lies outside the natural drainage area of the basin and these counties would not be representative of the basin development. A list of the fifty-five counties representing the economic activity in the basin, by the six sub-basins, is shown in Table 5. The area represented by these counties is designated as the Colorado River Basin Service Area in order to distinguish it from the natural land area included in the basin. It includes 162,468,000 acres or 254,000 square miles which is 4 percent larger than the actual land area of the basin.

Complete county summaries for each of the service area counties will be used in the development of economic trend data for the basin. This will result of course in the inclusion of some economic activity in these totals which occurred outside of the basin and the exclusion of some that occurred within it. Overall, it is expected that these two conditions will cancel each other but some adjustment may be required after the data are collected.

Generally, the service area breakdown closely approximates the actual land area breakdown within sub-basins. The grouping for the Upper Main-stem of the Colorado fits exceptionally well. On the other hand, the Little Colorado sub-basin area is represented by only three counties and their combined area does not fit the actual land area very well. Considerable adjustment of data may be required in this one instance.

TABLE 5
A LIST OF REPRESENTATIVE COUNTIES IN THE COLORADO RIVER BASIN
FOR TABULATION OF ECONOMIC TREND DATA

| Major Division | Sub-Basin | State and County | Total Area (Acres) |
|---|---|---|---|
| UPPER BASIN | UPPER MAIN-STEM | COLORADO | |
| | | 1. Delta | 740,480 |
| | | 2. Dolores | 657,920 |
| | | 3. Eagle | 1,078,400 |
| | | 4. Garfield | 1,916,160 |
| | | 5. Grand | 1,186,560 |
| | | 6. Gunnison | 2,072,320 |
| | | 7. Hinsdale | 676,480 |
| | | 8. Mesa | 2,120,320 |
| | | 9. Montrose | 1,432,960 |
| | | 10. Ouray | 345,600 |
| | | 11. Pitkin | 623,360 |
| | | 12. San Miguel | 821,120 |
| | | 13. Summit | 391,680 |
| | | Sub-Total | 14,063,360 |
| | | UTAH | |
| | | 1. Grand | 2,362,880 |
| | | Sub-Total | 2,362,880 |
| | SUB-BASIN TOTAL | | 16,426,240 |
| | GREEN | COLORADO | |
| | | 1. Moffat | 3,042,560 |
| | | 2. Rio Blanco | 2,088,320 |
| | | 3. Routt | 1,491,200 |
| | | Sub-Total | 6,622,080 |
| | | UTAH | |
| | | 1. Carbon | 943,360 |
| | | 2. Daggett | 453,120 |
| | | 3. Duchesne | 2,086,400 |
| | | 4. Emery | 2,842,880 |
| | | 5. Uintah | 2,864,640 |
| | | Sub-Total | 9,190,400 |

| Major Division | Sub-Basin | State and County | Total Area (Acres) |
|---|---|---|---|
| UPPER BASIN (Cont'd) | GREEN (Cont'd) | WYOMING | |
| | | 1. Lincoln | 2,624,640 |
| | | 2. Sublette | 3,120,640 |
| | | 3. Sweetwater | 6,714,800 |
| | | 4. Uinta | 1,324,800 |
| | | Sub-Total | 13,784,880 |
| | SUB-BASIN TOTAL | | 29,597,360 |
| | SAN JUAN | COLORADO | |
| | | 1. Archuleta | 872,960 |
| | | 2. La Plata | 1,078,400 |
| | | 3. Montezuma | 1,340,800 |
| | | 4. San Juan | 250,880 |
| | | Sub-Total | 3,543,040 |
| | | NEW MEXICO | |
| | | 1. San Juan | 3,529,600 |
| | | Sub-Total | 3,529,600 |
| | | UTAH | |
| | | 1. Garfield | 3,338,880 |
| | | 2. Kane | 2,627,200 |
| | | 3. San Juan | 5,045,760 |
| | | 4. Wayne | 1,592,960 |
| | | Sub-Total | 12,604,800 |
| | SUB-BASIN TOTAL | | 19,677,440 |
| SUMMARY OF UPPER BASIN | | | |
| | UPPER MAIN STEM | | 16,426,240 |
| | GREEN | | 29,597,360 |
| | SAN JUAN | | 19,677,440 |
| | UPPER BASIN TOTAL | | 65,701,040 |

| Major Division | Sub-Basin | State and County | Total Area (Acres) |
|---|---|---|---|
| LOWER BASIN | LITTLE COLORADO | ARIZONA | |
| | | 1. Apache | 7,151,360 |
| | | 2. Navajo | 6,343,040 |
| | | Sub-Total | 13,494,400 |
| | | NEW MEXICO | |
| | | 1. McKinley | 3,491,840 |
| | | Sub-Total | 3,491,840 |
| | SUB-BASIN TOTAL | | 16,986,240 |
| | GILA | ARIZONA | |
| | | 1. Cochise | 4,003,840 |
| | | 2. Gila | 3,040,000 |
| | | 3. Graham | 2,940,400 |
| | | 4. Greenlee | 1,199,360 |
| | | 5. Maricopa | 5,904,640 |
| | | 6. Pima | 5,914,240 |
| | | 7. Pinal | 3,441,920 |
| | | 8. Santa Cruz | 797,440 |
| | | 9. Yavapai | 5,178,240 |
| | | Sub-Total | 32,420,080 |
| | | NEW MEXICO | |
| | | 1. Catron | 4,414,720 |
| | | Sub-Total | 4,414,720 |
| | SUB-BASIN TOTAL | | 36,834,800 |
| | LOWER MAIN STEM | ARIZONA | |
| | | 1. Coconino | 11,886,720 |
| | | 2. Mohave | 8,486,400 |
| | | 3. Yuma | 6,390,400 |
| | | Sub-Total | 26,763,520 |
| | | CALIFORNIA | |
| | | 1. Imperial | 2,741,760 |
| | | Sub-Total | 2,741,760 |

| Major Division | Sub-Basin | State and County | Total Area (Acres) |
|---|---|---|---|
| LOWER BASIN (Cont'd) | LOWER MAIN STEM (Cont'd) | NEVADA | |
| | | 1. Clark | 5,073,280 |
| | | 2. Lincoln | 6,815,360 |
| | | Sub-Total | 11,888,640 |
| | | UTAH | |
| | | 1. Washington | 1,552,000 |
| | | Sub-Total | 1,552,000 |
| | SUB-BASIN TOTAL | | 42,945,920 |
| SUMMARY OF LOWER BASIN | | | |
| | LITTLE COLORADO | | 16,986,240 |
| | GILA | | 36,834,800 |
| | LOWER MAIN STEM | | 42,945,920 |
| | LOWER BASIN TOTAL | | 96,766,960 |
| GRAND TOTAL | | | |
| | UPPER BASIN TOTAL | | 65,701,040 |
| | LOWER BASIN TOTAL | | 96,766,960 |
| | GRAND TOTAL | | 162,468,000 |